

NWS Future Use Of Radar Data

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Open Radar Product Generator Build 3

- User Selectable Layer Reflectivity
- Digital Storm Total Precipitation
- Hodograph From VWP
- Data Quality Assurance (FAA)
- Enhanced High Resolution VIL (FAA)

ORPG Build 4

- New VCP, Phase 1, Better Vertical Resolution, VCP53
- Rapid Update, Phase 1, For Improved Mesocyclone Detection
- Data From FAA Radars, TDWR, ARSR-4
- Enhanced PPS For New VCPs Including Truncation Correction
- PPS Range Correction

ORPG Build 4 Continued

- Enhanced Storm Cell Information & Tracking (SCIT)
- Enhanced Echo Tops

ORPG Build 5

- New VCPs, TBD
- Rapid Update, Phase 2, Implement for Tornado Detection
- Multi PRF Dealiasing Algorithm
- Meso Detection Algorithm, Phase 1
- Machine Intelligent Gust Front Algorithm (FAA)

ORPG Build 6 & Beyond

- New VCPs, Phase 3
- FAA Radar Data, ARSR-11
- Meso Detection Algorithm, Phase 2
- Snow Accumulation Algorithm
- Multi Scale Echo Tracker

ORPG Algorithms With Timing Uncertainty

- Ground Based Velocity Tracking Display (GBVTD)
- Enhanced Hail Algorithm
- Damaging Downburst